

Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) A method for computerizing and standardizing medical information applied to a medical information-providing system, comprising:

building, by a service-providing system, a database of standard terms, wherein the step of building the database of standard terms includes:

(i) extracting terms used in existing medical records of patients regarding cardinal symptoms of the patients,

(ii) selecting a plurality of terms as the standard terms, wherein the selected plurality of terms ~~are at least one of~~ include the extracted terms regarding cardinal symptoms of patients ~~used as a variety of names by doctors or nurses, diagnosis names, operation names, terms used upon writing of the status of patients by nurses, terms used upon writing of the status of the patients by doctors, prescription terms used by [[the]] doctors, and medicine terms, and~~

(iii) storing the standard terms in the database, wherein the standard terms are stored in the database so as to be free from association with any particular medical record, ~~wherein the plurality of terms selected as the standard terms include terms extracted from terms used in existing medical records; and~~

providing, by the service-providing system, one or more of the standard terms stored in the database through a web screen, ~~the web screen being executed on at least one of a doctor terminal, a nurse terminal, an examination room staff terminal, and a general medical affair terminal connected to the service providing system over a~~

~~network~~, wherein the providing the standard terms through the web screen includes providing each standard term as one of a selection item and a check item or providing the standard terms as selection items applicable to writing of a statement sentence.

2. (Currently Amended) The method as claimed in claim 1, wherein the step of building the database of standard terms further comprises ~~further comprising~~:

(iv) mapping, by the service-providing system, the standard terms in the database to standard codes.

3. (Currently Amended) The method as claimed in claim 1, wherein the selected plurality of terms include at least one of diagnosis names, operation names, terms used upon writing of the status of patients by nurses, terms used upon writing of the status of the patients by doctors, prescription terms used by doctors, and medicine terms, and

wherein at least one term of the selected plurality of terms matches one of the extracted terms regarding cardinal symptoms for patients, the diagnosis names, the operation names, the prescription terms used by the doctors, and the medicine terms, wherein the at least one term of the selected plurality of terms is a standard term provided through the web screen as one of a selection item and a check item.

4. (Currently Amended) The method as claimed in claim 1, wherein the selected plurality of terms include terms used upon writing of the status of the patients by nurses or ~~[[the]]~~ terms used upon writing of the status of the patients by doctors, wherein

such terms of the selected plurality of terms are standard terms provided through the web screen as selection items applicable to writing of the statement sentence.

5. (Currently Amended) The method as claimed in claim 1, wherein the selected plurality of terms include at least one of diagnosis names, operation names, terms used upon writing of the status of patients by nurses, terms used upon writing of the status of the patients by doctors, prescription terms used by doctors, and medicine terms, the method further comprising:

providing, by the service-providing system, through the web screen, at least one of a modify function, a delete function and an add function for management of the standard terms in the database, and a standard statement sentence write function, wherein the modify function permits a manager to modify a standard term in the database, the delete function permits the manager to delete a standard term from the database, the add function permits the manager to add a standard term to the database, and the standard statement sentence write function permits the manager to combine standard terms into a standard statement sentence that may be later used to write a medical record.

6. (Currently Amended) The method as claimed in claim 2, wherein the selected plurality of terms include at least one of diagnosis names, operation names, terms used upon writing of the status of patients by nurses, terms used upon writing of the status of the patients by doctors, prescription terms used by doctors, and medicine terms, the method further comprising:

providing, by the service-providing system, through the web screen, at least one of a modify function, a delete function and an add function for management of the standard terms in the database, and a standard statement sentence write function, wherein the modify function permits a manager to modify a standard term in the database, the delete function permits the manager to delete a standard term from the database, the add function permits the manager to add a standard term to the database, and the standard statement sentence write function permits the manager to combine standard terms into a standard statement sentence that may be later used to write a medical record.

7. (Previously Presented) The method as claimed in claim 3, further comprising:

providing, by the service-providing system, through the web screen, at least one of a modify function, a delete function and an add function for management of the standard terms in the database, and a standard statement sentence write function, wherein the modify function permits a manager to modify a standard term in the database, the delete function permits the manager to delete a standard term from the database, the add function permits the manager to add a standard term to the database, and the standard statement sentence write function permits the manager to combine standard terms into a standard statement sentence that may be later used to write a medical record.

8. (Previously Presented) The method as claimed in claim 4, further comprising:

providing, by the service-providing system, through the web screen, at least one of a modify function, a delete function and an add function for management of the standard terms in the database, and a standard statement sentence write function, wherein the modify function permits a manager to modify a standard term in the database, the delete function permits the manager to delete a standard term from the database, the add function permits the manager to add a standard term to the database, and the standard statement sentence write function permits the manager to combine standard terms into a standard statement sentence that may be later used to write a medical record.

9. (New) The method as claimed in claim 1, wherein the web screen is executed on at least one of a doctor terminal, a nurse terminal, an examination room staff terminal, and a general medical affairs terminal in communication with the service-providing system over a network.

10. (New) The method as claimed in claim 1, wherein the step (i) of extracting terms used in existing medical records of patients includes:

(a) extracting chief complaints from a computerized discharge summary of medical records;

(b) normalizing the extracted chief complaints of step (a) by separating the extracted chief complaints of step (a) into main concepts, concept qualifiers, and concept modifiers; and

(c) aligning the main concepts on a spelling and concept basis so as to extract a set of representative chief complaints, the representative chief complaints being the extracted terms.

11. (New) The method as claimed in claim 10, wherein the step of building the database of standard terms further comprises:

mapping, by the service-providing system, the representative chief complaints to standard codes.

12. (New) The method as claimed in claim 11, wherein said mapping includes:

imparting a concept identifier of a standard code to each representative chief complaint; and

classifying each mapped chief complaint according to whether a concept of the representative chief complaint exactly matches, is broader than, is narrower than, partially overlaps, or fails to match the imparted concept identifier of the standard code.